DOCKET NO.: ISIS-5582 Application No.: 10/510,667

Office Action mailed: September 26, 2007

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) An oligomeric compound having the formula:

$$X_1 \longrightarrow P = X_2$$
 $X_2 \longrightarrow P = X_2$
 $X_1 \longrightarrow P = X_2$
 $X_2 \longrightarrow P = X_2$
 $X_1 \longrightarrow P = X_2$
 $X_2 \longrightarrow P = X_2$
 $X_1 \longrightarrow P = X_2$
 $X_2 \longrightarrow P = X_2$
 $X_1 \longrightarrow P = X_2$
 $X_2 \longrightarrow P = X_2$
 $X_1 \longrightarrow P = X_2$
 $X_2 \longrightarrow P = X_2$

wherein:

each Bx is, independently, a heterocyclic base moiety;

 T_2 is hydroxyl[[,]] or a protected hydroxyl, an oligonucleotide or an oligonucleoside; T_1 is a modified phosphate having the formula:

wherein

O is OH or CH3

 R_1 , R_3 and each R_2 are, independently, hydrogen, hydroxyl, a sugar substituent group or a protected sugar substituent group;

each X_1 and X_2 is, independently, O or S wherein at least one X_1 is S; and n is from 3 to 48.

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- 2-3. (canceled)
- 4. (previously presented) The oligomeric compound of claim 1 wherein Q is CH₃.
- 5-10. (canceled)
- 11. (original) The oligomeric compound of claim 1 wherein R1, R3 and each R2 is hydrogen.
- 12. (original) The oligomeric compound of claim 1 wherein R₁, R₃ and each R₂ is hydroxyl.
- 13. (previously presented) The oligomeric compound of claim 1 wherein R₁, R₃ and each R₂ are, independently, hydrogen, hydroxyl, a sugar substituent group or a protected sugar substituent group.
- 14. (original) The oligomeric compound of claim 1 wherein at least one of R_1 , R_2 or R_3 is an optionally protected sugar substituent group.
- 15. (original) The oligomeric compound of claim 1 wherein each X2 is S.
- 16. (original) The oligomeric compound of claim 1 wherein each heterocyclic base moiety is, independently, adenine, cytosine, 5-methylcytosine, thymine, uracil, guanine or 2-aminoadenine.
- 17. (original) The oligomeric compound of claim 1 wherein n is from about 8 to about 30.
- 18. (original) The oligomeric compound of claim 1 wherein n is from about 15 to 25.

PATENT

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19. (withdrawn) A method of treating an organism having a disease characterized by the undesired production of a protein comprising contacting the organism with an oligomeric

compound of claim 1.

20. (previously presented) A composition comprising:

a pharmaceutically effective amount of an oligomeric compound of claim 1; and

a pharmaceutically acceptable diluent or carrier.

21. (withdrawn) A method of modifying in vitro a nucleic acid, comprising contacting a test

solution containing RNase H and said nucleic acid with an oligomeric compound of claim 1.

22. (withdrawn) A method of concurrently enhancing hybridization and RNase H activation in a

organism comprising contacting the organism with an oligomeric compound of claim $1. \,$

23. (withdrawn) A method comprising contacting a cell with an oligomeric compound of claim

1.

24-41. (canceled)

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